

### **Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### **Listing of Claims:**

Claim 1 (Currently amended)            A wireless network simulation system for ~~mapping~~  
~~simulating~~ wireless network performances for planning a wireless network over a  
predetermined layout, said system comprising:

        a template database having a plurality of templates of wireless performance data,  
said wireless performance data is obtained through site surveys of a variety of locations  
and sites;

        a template identifier that operable to access the template database, the template  
identifier is adapted to receive search terms and to search ~~from~~ the template database for  
matching templates, wherein the search terms include design factors relating to the  
predetermined layout;

        a wireless network performance contour overlay generator that operable to  
process the matching template based on the design factors of the wireless network and  
create wireless network performance contour overlays from wireless performance  
parameters extracted from said matching templates; and

        a wireless network performance contour overlay superimposer that operable to  
receive said predetermined layout and superimpose at least one of said wireless network  
performance contour overlays onto said predetermined layout producing a superimposed  
layout.

Claim 2 (Original)    The system in accordance with claim 1, wherein said template  
database comprises a test-bed template database and a simulation template database.

Claim 3 (Previously amended) The system in accordance with claim 2, wherein said plurality of templates comprise a plurality of test-bed templates and a plurality of simulation templates.

Claim 4 (Original) The system in accordance with claim 1, further comprising a displaying means for displaying said superimposed layout.

Claim 5 (Original) The system in accordance with claim 1, further comprising a reproduction means for printing said superimposed layout onto some media means.

Claim 6 (Currently amended) A method for simulating wireless network performance for planning a wireless network over a predetermined layout, said method comprising the steps:

- a. receiving the predetermined layout and search terms, wherein the search terms include design factors relating to the predetermined layout;
- b. accessing a template database having a plurality of templates of wireless performance data, said wireless performance data is obtained through site surveys of a variety of locations and sites;
- c. identifying matching templates from the template database, based on said search terms;
- d. creating wireless network performance contour overlays from the wireless performance parameters extracted from said matching templates based on the design factors; and
- e. superimposing the wireless network performance contour overlays onto said predetermined layout.

Claim 7 (Previously amended) The method in accordance with claim 6, wherein said step b. further comprises the steps:

- b1. searching a simulation template database and a test-bed template database in said template database.

Claim 8 (Previously amended)      The method in accordance with claim 6, wherein said step d. further comprises the steps:

- d1.      receiving desired performance parameters;
- d2.      Extracting said desired performance parameters data from said matching templates in said template database; and
- d3.      generating network performance contour overlays from said desired performance parameters data.

Claim 9 (Previously amended)      The method in accordance with claim 6, after step c. comprising step f.:

- assigning a matching template if step c. produces no matching template